

Name: \_\_\_\_\_

## ET\_1021 version 12

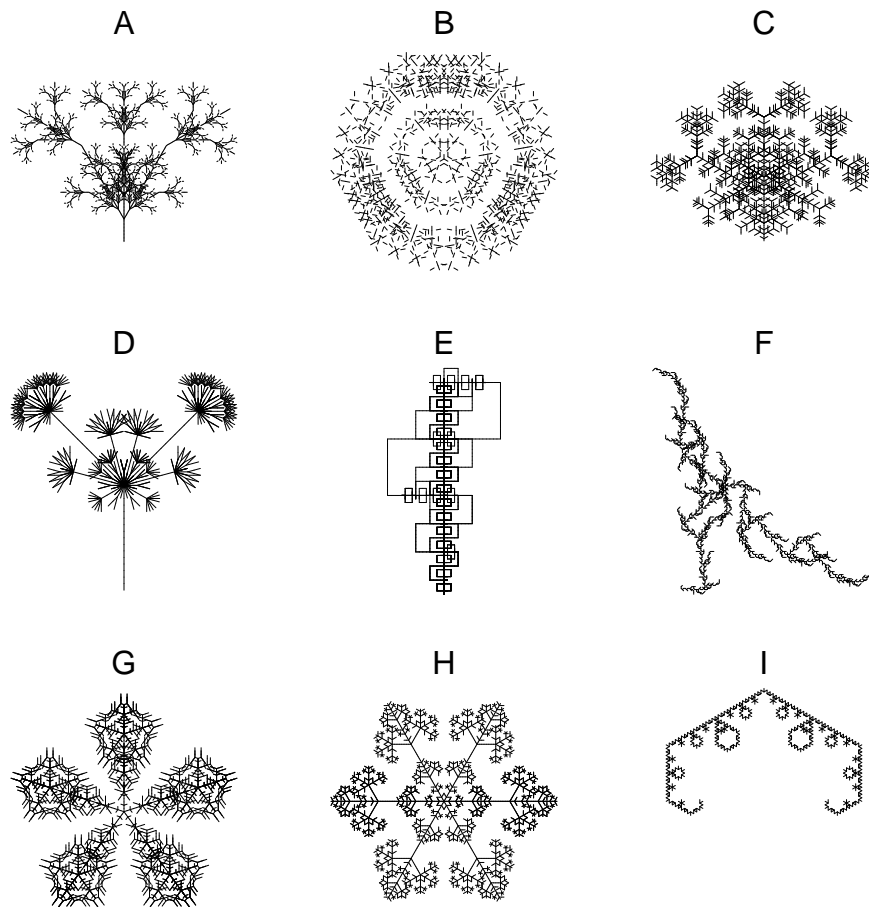
Consider the  $L$ -system (and angle) defined below:

- Start: A-----A
- Rules:  
A > [---B] [-B] [+B] [+++B]  
B > BD[++DA] [--DA]B  
D > DD

- Number of recursions (number of iterations): 5
- Angle:  $30^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



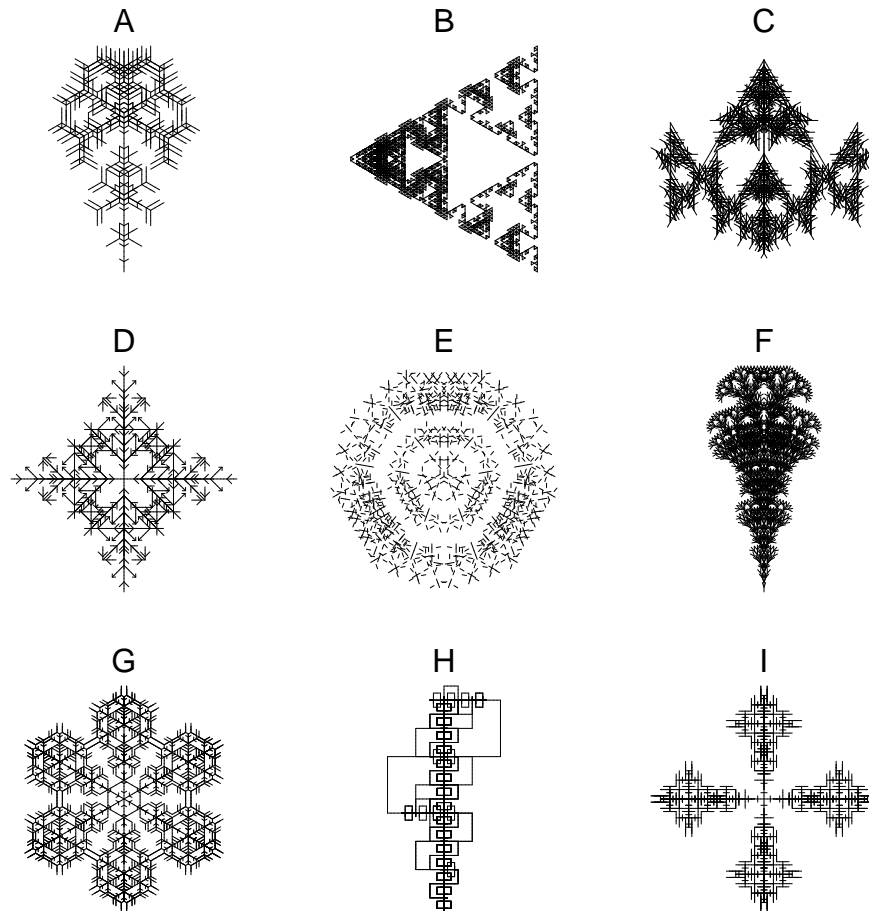
Which pattern is created?

Consider the  $L$ -system (and angle) defined below:

- Start:  $[A] + [A] + [A] + [A] + [A] + [A]$
- Rules:
  - $A > AA[-B][+B]B$
  - $B > [-ABC][+ABC]$
  - $C > A[-CB][+CB]$
- Number of recursions (number of iterations): 4
- Angle:  $60^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?